



HYDRO ANALYSIS, INC.

*Environmental & Water Resources Engineering
Groundwater Consultants*

February 7, 2005

CERTIFICATION OF WELL DESTRUCTION

DUTRO PROPERTY

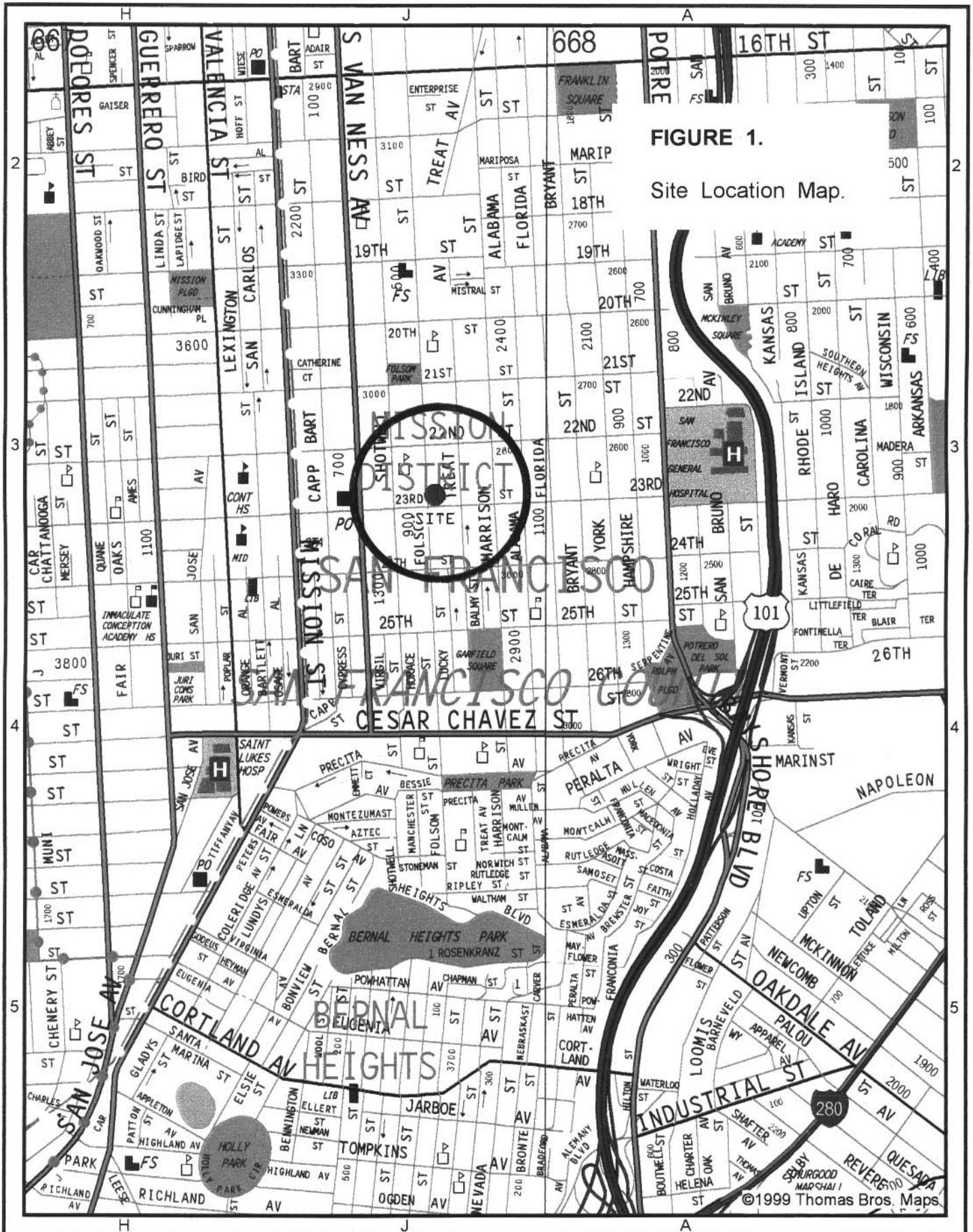
(former Dutro Mat Manufacturing Facility)

2675 Folsom Street
San Francisco, California

Introduction

The subject property is the former Dutro Mat Manufacturing facility located at 2675 Folsom Street in San Francisco, California. The location of the site is shown in Figure 1 (Site Location Map).

In conjunction with the warehouse and loading facility, a 1,000-gallon Gasoline underground storage tank had been present on the site. The tank was present when the property was purchased by Dutro Mat in July 1985, but was never subsequently used. The location of the previous underground storage tank is shown in Figure 2 (Site Map).



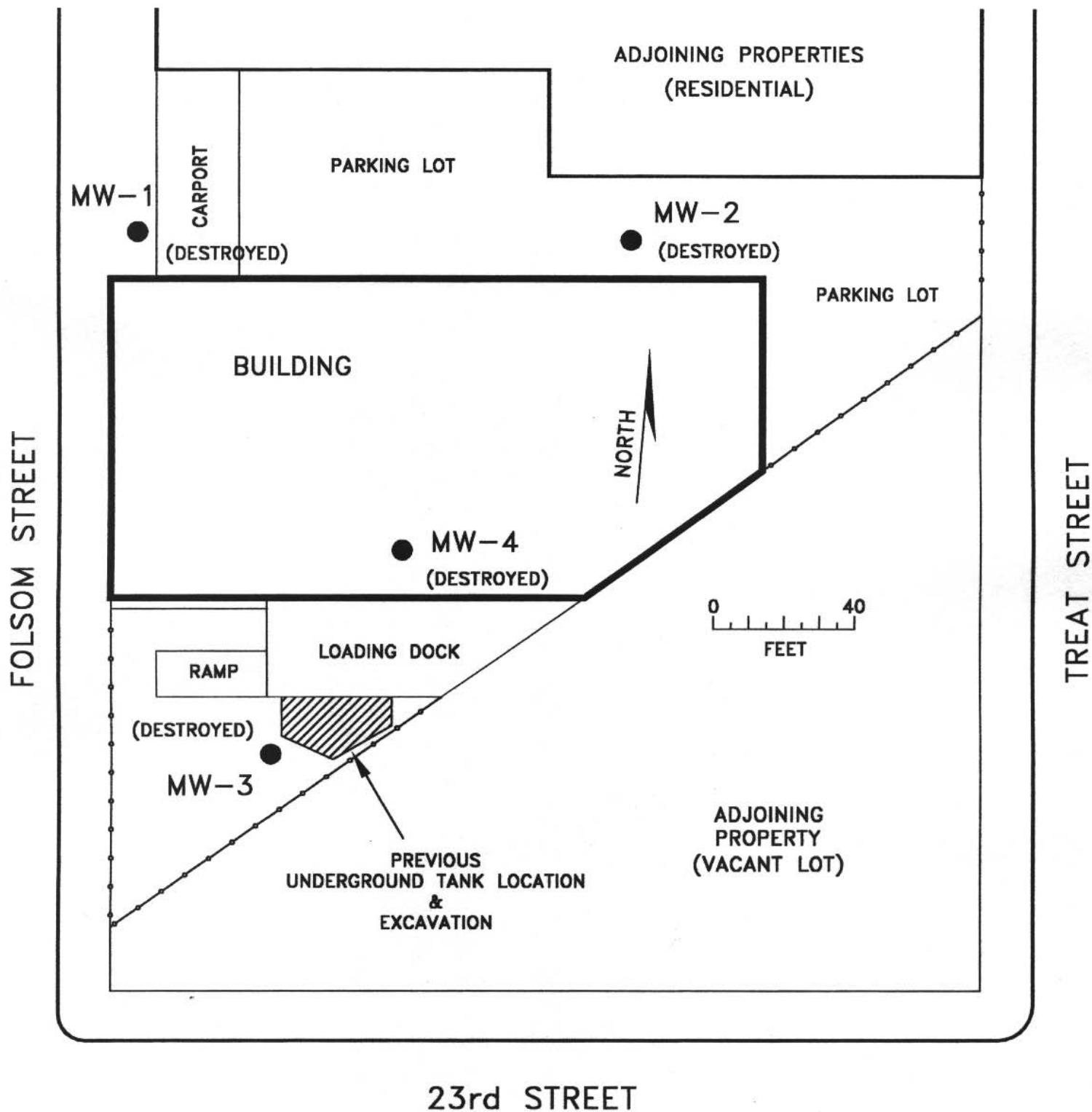


FIGURE 2.

Site Map.

Tank Removal and Over-Excavation

On September 5, 1991, the tank, dispenser and related pipelines were removed by Bay Area Tank Removal. The results of the laboratory analyses of the two soil samples collected indicated elevated levels of Gasoline and Benzene.

On December 12, 1991, TMC Environmental over-excavated 55 cubic yards of contaminated soil from beneath and surrounding the former Gasoline tank location. The results of soil sampling that was conducted at the conclusion of the over-excavation indicated the presence of residual Gasoline contamination in the soil under the building foundation located to the north of the tank pit at concentrations of up to 1,900 mg/kg (ppm).

Investigations

On March 12, 2000, Hydro Analysis, Inc., installed 3 monitoring wells (MW-1, MW-2, and MW-3) to investigate the extent and migration of contamination from the former underground storage tank.

On January 2, 2003, Hydro Analysis, Inc., installed 1 additional monitoring well (MW-4) inside the building.

Monitoring Well Destruction

On January 21, 2005, the shallow groundwater monitoring wells MW-1, MW-2, MW-3, and MW-4 were destroyed. The locations of the destroyed monitoring wells are shown in Figure 2

The work was conducted by Gregg Drilling of Martinez, California, under the supervision of Fred Hayden of Hydro Analysis, Inc. Inspectors from the CCSFEHD were present for each of the well destructions. Each well was destroyed by drilling out the entire depth and removing all casing, seal and sand pack materials. The boring was then tremie filled to near grade with “neat” Portland cement, in accordance with the CCSFEHD permit conditions. Prior to the well destruction, the total depth of each well below ground surface (bgs) was recorded:

WELL	TOTAL DEPTH (feet)
MW-1	20.2
MW-2	20.1
MW-3	20.2
MW-4	23.0

Upon completion of the pressure-grouting, the well box at each location was removed and then filled to finish grade with Portland cement concrete.

Copies of the completed DWR Forms 188 are provided in Attachment C.

**CERTIFICATION OF WELL DESTRUCTION
DUTRO PROPERTY
(former Dutro Mat Manufacturing Facility)
2675 Folsom Street, San Francisco, CA**

February 7, 2004

Gary Aguiar

RCE 34262

ATTACHMENT A

Correspondence



City and County of San Francisco
DEPARTMENT OF PUBLIC HEALTH

Gavin Newsom, Mayor
Mitchell H. Katz, M.D.
Director of Health

OCCUPATIONAL & ENVIRONMENTAL HEALTH

November 3, 2004

John A. Dutro Living Trust
c/o John Dutro
1342 Sunset Loop
Lafayette, California 94595

Subject: UNDERGROUND STORAGE TANK (UST) DRAFT CASE CLOSURE
Dutro Mat Manufacturing Company
2675 Folsom Street, San Francisco
LOP Site Number: 10367

Dear Mr. Dutro:

This letter confirms the completion of site investigation and remedial action for the underground storage tanks formerly located at the above described location.

Based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required provided that the three remaining groundwater monitoring wells are decommissioned. A work plan for well destruction must be submitted to the Local Oversight Program for approval.

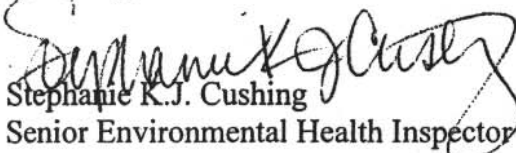
Proper well abandonment permits must be obtained from Richard Kaihara, Senior Environmental Health Inspector, Water Quality Section at (415) 252-3947 to obtain information and applications.

When all work has been approved and completed, a case closure letter for the site will be issued.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e).

Should you have any questions, please call me at (415) 252-3926.

Sincerely,


Stephanie K.J. Cushing
Senior Environmental Health Inspector

cc: Gary Aguiar, HA



City and County of San Francisco
DEPARTMENT OF PUBLIC HEALTH

Gavin Newsom, Mayor
Mitchell H. Katz, M.D.
Director of Health

OCCUPATIONAL & ENVIRONMENTAL HEALTH

November 17, 2004

John A. Dutro Living Trust
c/o John Dutro
1342 Sunset Loop
Lafayette, California 94595

Subject: Proposed Procedure for Well Destruction
Dutro Mat Manufacturing Company
2675 Folsom Street, San Francisco
LOP Site Number: 10367

Dear Mr. Dutro:

The San Francisco Department of Public Health, Local Oversight Program (DPH-LOP) has reviewed the workplan submitted on your behalf by Hydro-Analysis, Inc. (HA). The workplan proposes drilling out the entire depth of each of the four wells, remove all seal, casing and sand pack. Each borehole will be filled from the bottom to near finish grade with "neat" Portland cement.

DPH-LOP approves the workplan.

Please contact Larry Kessler, Inspector, at (415) 252-3841 to apply for the required permit and schedule the required inspection.

Should you have any questions, please contact me at (415) 252-3926.

Sincerely,


Stephanie K.J. Cushing
Senior Environmental Health Inspector

cc: Randal Wilson, HA
Larry Kessler, Water Quality

ATTACHMENT B

Permits



City and County of San Francisco
DEPARTMENT OF PUBLIC HEALTH

Willie L. Brown, Jr., Mayor
Mitch Katz, M.D.
Director of Health

ENVIRONMENTAL HEALTH MANAGEMENT

Application For Well Construction
Well Destruction or Soil Borings

Application Date: 12/17/04 Starting Date: 1/21/05 Completion Date: 1/21/05

Job Address/Location: 2675 Folsom Street, San Francisco (LOP# 10367)

TO BE COMPLETED BY OWNER, CONSULTANT OR DRILLER

Property Owner <u>John A. Dutro Living Trust</u>	Well Owner (If Different) <u>Trust</u>	Consultant /Engineer/Geologist Name <u>Hydro Analysis Inc.</u>
Address <u>1342 Sunset Loop</u>	Address <u>11100 San Pablo Ave Ste 200A</u>	Address <u>11100 San Pablo Ave Ste 200A</u>
City, State, Zip <u>Lafayette, CA 94595</u>	City, State Zip <u>El Cerrito, CA 94530</u>	City, State, Zip <u>El Cerrito, CA 94530</u>
Telephone Number <u>(925) 937-7150</u>	Telephone Number <u>(510) 620-0891</u>	Telephone Number <u>(510) 620-0891</u>

Please indicate Type and Number of Proposed Wells/Borings

Geotechnical Investigation:	Environmental Investigation:	Monitoring Wells Construction
<input type="checkbox"/> Exploratory Wells	<input type="checkbox"/> Exploratory Holes	<input type="checkbox"/> Chemical Leaks
<input type="checkbox"/> Cathodic Wells	<input type="checkbox"/> Water Extraction Wells	<input type="checkbox"/> Compliance Well
<input type="checkbox"/> Cone Penetrometer Test	<input type="checkbox"/> Vapor Extraction Wells	<input type="checkbox"/> Baseline Study
<input type="checkbox"/> Other _____	<input type="checkbox"/> Hydropunch	<input checked="" type="checkbox"/> Well Destruction

Topographic Features Well is to be constructed:

☐ In a Public Sidewalk ☐ In a Public Road ☐ On Private Property ☐ On City Property

Construction Specifications:

Diameter of Well Casing: _____ Annular Seal Depth: _____
Gauge of Casing: _____ Annular Seal Material: _____
Casing Depth: _____ Other Information: _____

Destruction Specifications: Well Diameter: 2" Approximate Depth: 20'

Materials and Procedures to be Used: Drill out entire depth of each of four wells,

removing seal, casing, sand pack, fill from bottom to near finish
grade with "neat" Portland cement

WELL LOCATION: On the following site plan accurately draw the well location. (Recommend Assessor's Map)

1. Sketch well location to scale, show dimensions to nearest foot.
2. Show a minimum of two dimensions at right angles. Dimensions shall be from the centerline of the closest named street, road or highway.
3. Show location of any existing wells.

WELLS

1390 Market Street, Suite 210
San Francisco CA, 94102

Phone (415) 252-3947
fax (415) 252-3894

SITE PLAN

See attached map

CERTIFICATION BY WELL OWNER/AGENT AND DRILLER/AGENT:

I certify the information above is correct to the best of my knowledge. I certify that the well will be constructed in compliance with the conditions this permit, the San Francisco Health Code and, if applicable, the Hazardous Materials Permit & Disclosure Ordinance of the City/County. It is my responsibility as the responsible party to notify this Section of any changes in the purpose of this well from that which is indicated on this application form.

If proposed well is to meet compliance with a Hazardous Materials Permit & Disclosure Ordinance, has the Hazardous Materials Unified Program been contacted: ☐ Yes ☐ No

Gregg Drilling, 950 Howe St, Martinez CA

C-57 485165

Name and Address of Well Driller/ Company

C-57 Driller's License Number

Signature of Responsible Professional

Date

Gary Aguiar, #34262

Civil Engineer Registration Number or

~~Engineering Geologist Certificate Number~~

Based on information on the application and attachments(s) hereto (if any) and subject to approval noted below, permission is hereby granted to commence the described project. Permission to start may be withheld until a field check verifies all statements made on application by Permittee and is also subject to any "General" and "Special" conditions attached.

To be completed by Well Section Staff:

Project # 3060 Date Approved 1/18/05

Number of Wells: 4 Number of Soil Borings: _____

This project to construct/destroy is

APPROVED ☒

This project to construct/destroy is

DISAPPROVED ☐

Inspector rk

ATTACHMENT C

DWR Forms 188

DWR USE ONLY — DO NOT FILL IN

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

GEOLOGIC LOG

WELL OWNER

[illegible]

Name John A. Dutro Living Trust
Mailing Address 1342 Sunset Loop
Lafayette CA 94595
CITY STATE ZIP

Address 2675 Folsom Street WELL LOCATION
City San Francisco
County San Francisco
APN Book _____ Page _____ Parcel _____
Township _____ Range _____ Section _____
Latitude _____ Longitude _____
DEG. MIN. SEC. DEG. MIN. SEC. WEST

LOCATION SKETCH NORTH

22' 12' MN-1 BUILDING PROPERTY LINE 25 RD STREET

WEST FOLSOM STREET CURB EAST

ACTIVITY ()
NEW WELL
MODIFICATION/REPAIR
Deepen
Other (Specify) _____

☒ DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USES ()
WATER SUPPLY
Domestic Public
Irrigation Industrial

MONITORING ☒
TEST WELL
CATHODIC PROTECTION
HEAT EXCHANGE
DIRECT PUSH
INJECTION
VAPOR EXTRACTION
SPARGING
REMEDIATION
OTHER (SPECIFY) _____

SOUTH

Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER _____ (Ft.) BELOW SURFACE
DEPTH OF STATIC WATER LEVEL _____ (Ft.) & DATE MEASURED _____
ESTIMATED YIELD * _____ (GPM) & TEST TYPE _____
TEST LENGTH _____ (Hrs.) TOTAL DRAWDOWN _____ (Ft.)
* May not be representative of a well's long-term yield

[illegible]ATTACHMENTS ()

- ☐ Geologic Log
- ☐ Well Construction Diagram
- ☐ Geophysical Log(s)
- ☐ Soil/Water Chemical Analyses
- ☐ Other _____

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Hydro Analysis, Inc., Gary Aguiar RCE 34262

NAME _____
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

11100 San Pablo Ave, suite 200-A, El Cerrito, CA 94530

ADDRESS

Signed Sam [Signature]
WELL DRILLER/AUTHORIZED REPRESENTATIVE

CITY 2/7/05 STATE Gregg Drilling
485165

C-57 LICENSE NUMBER

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

Permit No. 3060 Permit Date 01/18/2005

DWR USE ONLY — DO NOT FILL IN


STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

		WELL OWNER	
Name _____	John A. Dutro Living Trust		
Mailing Address _____	1342 Sunset Loop		
Lafayette	CA	94595	
CITY _____	STATE _____	ZIP _____	
WELL LOCATION			
Address _____	2675 Folsom Street		
City _____	San Francisco		
County _____	San Francisco		
APN Book _____	Page _____	Parcel _____	
Township _____	Range _____	Section _____	
Latitude _____	NORTH DEG. MIN. SEC.	Longitude _____	EAST DEG. MIN. SEC.
LOCATION SKETCH NORTH ↑		ACTIVITY () — NEW WELL	
<p>The sketch shows a rectangular building labeled "BUILDING". To its right is a well labeled "MW-4" with a depth of "13'". Below the building is a "LOADING DOCK". A diagonal line represents the "PROPERTY LINE". The street to the left is labeled "FOLSOM STREET" and runs North-South. The street below is labeled "23RD STREET" and runs East-West. Dimensions include "82'" for the width of the building area and "13'" for the well depth. Arrows indicate North is up and West is left.</p>		MODIFICATION/REPAIR — Deepen — Other (Specify) _____	
		<input checked="" type="checkbox"/> DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")	
		PLANNED USES () WATER SUPPLY Domestic _____ Public _____ Irrigation _____ Industrial _____	
SOUTH ↓ <i>Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.</i>		MONITORING <input checked="" type="checkbox"/>	
		TEST WELL _____	
		CATHODIC PROTECTION _____	
		HEAT EXCHANGE _____	
		DIRECT PUSH _____	
		INJECTION _____	
VAPOR EXTRACTION _____			
SPARGING _____			
REMEDIATION _____			
OTHER (SPECIFY) _____			

[illegible]

ATTACHMENTS () <input type="checkbox"/> Geologic Log <input type="checkbox"/> Well Construction Diagram <input type="checkbox"/> Geophysical Log(s) <input type="checkbox"/> Soil/Water Chemical Analyses <input type="checkbox"/> Other _____ ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.	CERTIFICATION STATEMENT I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief. <hr/> NAME <u>Hydro Analysis, Inc., Gary Aguiar RCE 34262</u> <small>(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)</small> 11100 San Pablo Ave, suite 200-A, El Cerrito, CA 94530 <hr/> ADDRESS _____ <hr/> Signed <u></u> CITY <u>2/7/05</u> STATE <u>Gregg Drilling</u> <small>WELL DRILLER AUTHORIZED REPRESENTATIVE</small> DATE SIGNED <u>485165</u> <small>C-57 LICENSE NUMBER</small>
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